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John H. Redfield; 282 species plants, collected by Dr. C. C. Parry and Dr. E. Palmer in 1878, chiefly in the region of San Luis Potosi, Mexico; also 81 species, collected in Western North Carolina in June 1879, by Dr. Asa Gray, Wm. M. Canby, C. S. Sargent, and J. H. Redfield; also *Aspidium aculeatum* Sw. var. *Braunii*, collected in Bushnellsville Clove, Catskill Mts.

Dr. A. P. Garber; 68 species of Florida plants, collected by him, supplementary to the collection received from him in April, most of these being new or rare species.

Isaac C. Martindale; *Teucrium occidentale* Gr., collected by him on banks of Delaware River, below Philadelphia.

October. Dr. Asa Gray; 47 species of phanerogamous plants from Mexico and West Indies, and 12 mosses from Borneo.

Titian R. Peale; *Drosera filiformis*, from Ocean Grove, N. J.

November. Wm. M. Canby; 18 species North American plants, nearly all new to the collection.

Chas. F. Parker; *Epiphegus Virginiana* Bart. var. *Rauana*, collected by C. F. Austin, on High Peak, Catskill Mts., N. Y.

December. Isaac C. Martindale; 96 species plants, some from New Zealand, but mostly foreign species collected on the ballast deposits in the neighborhood of Philadelphia.

Dr. Geo. Engelmann, St. Louis, Mo.; 5 varieties of *Quercus*, mostly hybrids.

Prof. Thos. C. Porter, Lafayette College, Easton, Pa.; *Solidago Buckleyi*, from Monticello, Ga.

Susannah Kite, Friends Library, Germantown, Phila.; *Clematis Scottii* Porter, from Colorado.

Thos. Meehan; *Salicornia arbuscula* R. Br., from Victoria, Australia, collected by Baron von Müller.

REPORT OF THE MINERALOGICAL SECTION.

The Director of the Mineralogical Section of the Academy of Natural Sciences, would respectfully report that meetings of the Section have been held regularly every month, except July and August. The attendance has been larger than in the prior year, and there has been no lack of interest.

Reference to the annexed list of donations will show that the increase of the collection of the Academy has been satisfactory.

The local collection has been arranged and labeled.

At the February meeting it was decided to admit, as associate members, persons interested in mineralogy but ineligible to active membership by reason of not being members of the Academy. Several such have been elected, and have attended the meetings and taken much interest in the proceedings.

Through the courtesy of the Biological and Microscopical Section, the Mineralogical Section has had the use of microscopes in the examination of sections of rocks, and of minerals included in others. Several interesting exhibitions of this character were had, showing an entertaining, and, as yet, little explored region, in which it is hoped the lady members of the Section may find a field peculiarly suited to their opportunities of study.

It is purposed to present to the Academy for publication a statement of the more important communications made to the Section.

The following list of additions made to the Mineralogical Cabinet during the year has been furnished by Mr. Chas. F. Parker:—

G. W. Baker. Nodules of Hematite, Venezuela.

A. J. Brand. Native Copper, Madison Co., W. Va.

Col. T. M. Bryan. Asphaltum, Amber, Flint and Geode of the same, probably pseudomorph of Sponge, from the marl of Vincenttown, N. J.

Dr. J. M. Cardeza. Fossiliferous(?) Sandstone, Del. Co., Pa.; Lignite, Elkton, Md.

Mrs. Hugh Davids. Stilpnomelane, Weilburg, Nassau; Braunite, Ilmenau, Thuringia; Ardenite, Salm-Chateau, Belgium; Berthierite in Quartz, near Freiberg, Saxony; Megabasite on Quartz, Bohemia.

John Ford. Tourmaline, W. side of Schuylkill, Phila.; Chlorite with Magnetite, above Manayunk; Pink Marble, Marble Hall, Mont. Co., Phila.

Mrs. Gabb. Borax, near Clear Lake, Cal.

G. N. P. Gale. Collection of minerals and rocks, Orange Co., N. Y.

J. Geismar. Gypsum, marl of Burlington Co., N. J.

E. Goldsmith. Peat, Nantucket Island, Mass.

J. M. Hartman. One hundred minerals from various localities, including a fine suite of Iron ores from Sweden.

Dr. H. Haupt, Jr. Stalactite, Giles Co., Va.

- Dr. F. V. Hayden. A fine collection of Geyserites, etc., Geysers of the Yellowstone National Park.
- W. W. Jefferis. Lignite, Penna. R. R. Tunnel, Baltimore, Md.; Bronzite, Bare Hills, Md.; Corundum and Culsageeite, Chester Co., and Kyanite, Lancaster Co., Pa.; Micaceous Iron, Lake Superior.
- Dr. Jos. Leidy. Steatite pseudomorph of Staurolite, Lisbon, N. H.; Apophyllite, Isle Haute, Bay of Fundy.
- H. C. Lewis. Native Sulphur, Surry Co., N. C.; Lignite, Kinokora, N. J.; Diatomaceous Earth, Richmond, Va.
- Dr. Linn. Muscovite with peculiar markings, Macon Co., N. C.
- W. L. Mactier. Amber, Nantucket, Mass.
- J. W. Peck. Calcite, from beneath a bed of upper Silurian Pentamerus, Delhi, Ind.
- Theo. D. Rand. Twelve Rocks, Mahanoy City, Pa.; Diabase, near Pottstown, Pa.; Euphyllite in Tourmaline, Pyrite, Quartz, xls., Chester Co.; Almandine, Dixon's Quarry, Delaware; forty-four Rocks, neighborhood of Phila.; Petroleum, Ennis-killen, Canada; Willemite, Franklin, N. J.; Drusy Quartz, Calcite, Montgomery Co., Pa.; Quartz, Andalusite, Delaware Co., Pa.; seventeen Rocks, Delaware Co., Pa.; Stalactite, Page Co., Va.; Molybdenite, Frankford, Phila.
- Dr. Ruschenberger. Obsidian, Mauna Loa, Hawaii, eruption of 1856.
- W. S. Vaux. Cuprite, Cornwall, England; Pyrosmalite, Nordmarken, Sweden; Gypsum, Monte Doneto, Bologna; four crystals of Orthoclase, Baveno, Lake Maggiore, Italy; Axinite, Medals, Switzerland; Vanadinite, Lead Hills, Scotland; a fine specimen of Harmotome, Strontian, Scotland; Octahedral Quartz and Hematite, St. Lawrence Co., N. Y.; Apatite and Biotite, Burgess, Canada; Spinel, Orange Co., N. Y.; a very fine specimen of Proustite, Chanarcillo, Copiapo, Chili.
- Jos. Willcox. Corundum, from Chester Co., Pa., and Ala.; Tourmaline, Pyroxene, and Hornblende, St. Lawrence Co., N. Y.; Pyrophyllite, Chesterfield, S. C.; Margarite, Andesite, Chester Co., Pa.; Phlogopite, Apatite, Ontario, Canada; twelve Staurolites, Tannin Co., Ga.
- Minerals in exchange for duplicate books. Ilmenite, Bavaria; Astrophyllite, El Paso Co., Cal.; Calcite in Limestone, Fluorite and Calcite in Limestone, Millerite and Dolomite, St.

Louis, Mo.; Orthoclase, Gothite on Quartz, Orthoclase, Pike's Peak, Col.; Limonite, Neguanee, Mich.; Pyrolusite, Nova Scotia; Stalactite, Stalagmite.

Minerals purchased. Adamite on Quartz, France; Gersdorffite, Styria; Eudyalite and Arfvedsonite with Feldspar, Greenland; Wavellite, Montgomery Co., Ark.; Corundum and Lesleyite, Corundum, Barnhardtite, N. C.; Langite, Cornwall, England; Euxenite, Arendal, Norway; Helvite with Quartz and Zincblende, Saxony; Melilite in Lava, Humite, Vesuvius; Senarmontite, Algeria; Bytownite, Canada; Fergusonite in Quartz, with black Mica, Ytterby, Sweden; Sepiolite, Bonitz; Covellite, Dillenberg; Glaucodot, Sweden.

Minerals deposited by Am. Phil. Soc. Red Porphyry, Sweden; Pipe-stone, Sioux Country; Leopardite, N. C.; Zinc, the first manufactured in America, made from ore from Perkiomen Mine, Montgomery Co., Pa.

The collection of minerals of the Franklin Institute, and the rocks of the Rogers Survey of Penna., heretofore in its custody, have been deposited, on condition of their return on demand.

I would also report the completion of the numbering of the minerals in the Museum, in accordance with the catalogue, and the preparation of an alphabetical index of the same.

All of which is respectfully submitted,

THEO. D. RAND,

Director.

The election of Officers for 1880 was held, with the following result:—

<i>President</i>	.	.	.	W. S. W. Ruschenberger, M.D.
<i>Vice-Presidents</i>	.	.	.	Wm. S. Vaux, Thomas Meehan.
<i>Recording Secretary</i>	.	.	.	Edward J. Nolan, M.D.
<i>Corresponding Secretary</i>	.	.	.	Geo. H. Horn, M.D.
<i>Treasurer</i>	.	.	.	Wm. C. Henszey.
<i>Librarian</i>	.	.	.	Edward J. Nolan, M.D.
<i>Curators</i>	.	.	.	Joseph Leidy, M.D., William S. Vaux, Charles F. Parker, R. S. Kenderdine, M.D.

<i>Councillors to serve three years</i>	Rev. H. C. McCook, Edw. Potts, Isaac C. Martindale, Theo. D. Rand.
<i>Finance Committee</i>	Edw. S. Whelen, Clarence S. Bement, Aubrey H. Smith, S. Fisher Corlies, Geo. Y. Shoemaker.

ELECTIONS DURING 1879.

MEMBERS.

January 28.—H. Dumont Wagner, Charles Henry Hart, Jacob Binder, Geo. A. Binder.

March 25.—Joseph Mellors, Wm. S. Auchincloss.

April 29.—Robert Meade Smith, M.D., J. J. Kirkbride, M.D., Jas. F. Magee, Wm. S. Magee, Henry C. Coates, Henry W. Stelwagon, M.D., Robert S. Davis.

May 27.—Chas. Pennypacker.

June 24.—William P. Foulke.

July 29.—John M. Taylor, M.D.

October 28.—Russell S. Hill.

November 25.—John C. Dawson, H. Russell Bassler, Mrs. Mariné J. Chase, Benjamin Sharp, Otto Luthy, John Wilson.

CORRESPONDENTS.

March 25.—George Bentham, of London; Wm. H. Leggett, of New York; John M. Coulter, of Hanover, Ind.

July 21.—Gustav Mayr, of Vienna; C. Emery, of Palermo.

September 30.—Lieut. C. A. H. McCauley, U. S. A.

November 25.—Theodor Kjerulf, of Christiania; J. W. Pike, of Vineland, N. J.